Figure 4

Partial Lunar Eclipse of 2021 Nov 19

Greatest Eclipse = 09:04:05.8 TD (= 09:02:55.5 UT1)

Penumbral Magnitude = 2.0720 Gamma = -0.4552Saros Series = 126 Umbral Magnitude = 0.9742 $Axis = 0.4104^{\circ}$ Saros Member = 45 of 70 Sun at Greatest Eclipse Moon at Greatest Eclipse (Geocentric Coordinates) (Geocentric Coordinates) R.A. = 15h39m50.9sR.A. = 03h40m24.8sDec. = -19°32'33.1" Dec. = +19°09'15.5" S.D. = 00°16'11.0" S.D. = 00°14'44.5" Earth's Penumbra H.P. = 00°00'08.9" H.P. = 00°54'06.1" Earth's Umbra Ecliptic W U4 Greatest **Eclipse Durations Eclipse Contacts** S Penumbral = 06h01m35s P1 = 06:02:09 UT1 Umbral = 03h28m24sU1 = 07:18:43 UT1 U4 = 10:47:07 UT1 P4 = 12:03:44 UT1 Eph. = JPL DE405 30 Arc-Minutes Rule = Danjon $\Delta T =$ ©2020 F. Espenak, www.EclipseWise.com 30° N All Eclipse Eclipse at 30° S 60° S 180° W 120° W 60° W 0° 60° E 120° E 180° E

F. Espenak, "Eclipses During 2021", Observer's Handbook - 2021, Royal Astronomical Society of Canada

Longitude